Oxford City Schools

Proficiency Scale

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GRADE LEVEL: 3rd Grade COURSE NAME: Math
MEASUREMENT TOPIC: Understand the Relationship of Multiplication and Division

4	In addition to Score 3.0, make in-depth inferences and applications. ☐ Analyze a problem and defend response by showing how to solve the problem.
3	☐ Develop and apply properties of operations as strategies to multiply and divide. ☐ distributive property ☐ associative property ☐ Use the relationship between multiplication and division as an equation with an unknown factor.
2	☐ Develop and apply properties of operations as strategies to multiply and divide. ☐ zero property ☐ identity property ☐ commutative property
1	☐ With help, a partial understanding of some of the simpler details and processes, and some of the more complex ideas and processes.

Key Vocabulary: Unknown factor, **properties of operations (do not have to teach formal term)**, strategies, **decompose, division,** area model**, sum, product, expression, array, dividend, divisor, equation, quotient**